

UG COURSES

Textile Engineering						
Sl.No.	Discipline	Course Name	SME Name	Duration	Course Link	Credits
1	Textile Engineering	Principles Of Combing,Roving Preparation & Ring Spinning	Prof. R Chattopadhyay	12 Weeks	https://online.vtu.ac.in/course-details/principles-of-combing-roving-preparation-and-ring-spinning	3
2	Textile Engineering	Yarn Manufacture I : Principle Of Opening, Carding And Drawing	Prof. R Chattopadhyay	12 Weeks	https://online.vtu.ac.in/course-details/yarn-manufacture-i-principle-of-opening-carding-and-drawing	3
3	Textile Engineering	Technical Textiles	Prof. Apurba Das	12 Weeks	https://online.vtu.ac.in/course-details/Technical-Textiles	3
4	Textile Engineering	Science Of Clothing Comfort	Prof. Apurba Das	12 Weeks	https://online.vtu.ac.in/course-details/science-of-clothing-comfort	3
5	Textile Engineering	Textile Finishing	Prof. Kushal Sen	12 Weeks	https://online.vtu.ac.in/course-details/textile-finishing	3
6	Textile Engineering	Science And Technology Of Weft And Warp Knitting	Prof. Bipin Kumar	12 Weeks	https://online.vtu.ac.in/course-details/science-and-technology-of-weft-and-warp-knitting	3

Biotechnology and Bioengineering						
Sl.No.	Discipline	Course Name	SME Name	Duration	Course Link	Credits
1	Biotechnology and Bioe	Genetic Engineering: Theory And Application	Prof. Vishal Trivedi, IITG	12 Weeks	https://online.vtu.ac.in/course-details/Genetic-Engineering	3
2	Biotechnology and Bioe	Cellular Biophysics: A Framework For Quantitative Biology	Prof. Chaitanya A. Athale, IISER pune	8 Weeks	https://online.vtu.ac.in/course-details/Cellular-Biophysics	2
3	Biotechnology and Bioe	Medical Image Analysis	Prof. Ganapathy Krishnamurthi, IITM	12 Weeks	https://online.vtu.ac.in/course-details/Medical-Image-Analysis	3
4	Biotechnology and Bioe	Computer Aided Drug Design	Prof. Mukesh Doble, IITM	8 Weeks	https://online.vtu.ac.in/course-details/Computer-Aided-Drug-Design	2
5	Biotechnology and Bioe	Plant Cell Bioprocessing	Prof. Smita Srivastava, IITM	8 Weeks	https://online.vtu.ac.in/course-details/Plant-Cell-Bioprocessing	2
6	Biotechnology and Bioe	Bioreactors	Prof. G.K. Suraiskumar, IITM	4 Weeks	https://online.vtu.ac.in/course-details/Bioreactors	1
7	Biotechnology and Bioe	Introduction To Biomedical Imaging Systems	Prof. Arun K. Thittai, IITM	12 Weeks	https://online.vtu.ac.in/course-details/Introduction-To-Biomedical-Imaging-Systems	3
8	Biotechnology and Bioe	Organ Printing	Prof. Falguni Pati, IIT Hyderabad	8 Weeks	https://online.vtu.ac.in/course-details/Organ-Printing	2
9	Biotechnology and Bioe	Genome Editing And Engineering	Prof. Utpal Bora, IITG	12 Weeks	https://online.vtu.ac.in/course-details/Genome-Editing-And-Engineering	3
10	Biotechnology and Bioe	Functional Genomics	Prof. S.Ganesh, IITK	4 Weeks	https://online.vtu.ac.in/course-details/Functional-Genomics	1
11	Biotechnology and Bioe	Conservation Geography	Prof. Ankur Awadhya, IITK	12 Weeks	https://online.vtu.ac.in/course-details/Conservation-Geography	3
12	Biotechnology and Bioe	Experimental Biotechnology	Prof. Vishal Trivedi, IITG	12 Weeks	https://online.vtu.ac.in/course-details/Experimental-Biotechnology	3
13	Biotechnology and Bioe	Introduction To Mechanobiology	Prof. Shamik Sen, IITB	8 Weeks	https://online.vtu.ac.in/course-details/Introduction-To-Mechanobiology	2
14	Biotechnology and Bioe	Industrial Biotechnology	Prof. Debabrata Das, IITKGP	12 Weeks	https://online.vtu.ac.in/course-details/Industrial-Biotechnology	3
15	Biotechnology and Bioe	Maternal Infant Young Child Nutrition	Prof. Rupal Dalal	12 Weeks	Link will be Updated Soon	3
16	Biotechnology and Bioe	Pharmacognosy & Metabolic Engineering	Prof. Adinpunya Mitra Prof. Kaustubh Rau Prof. Sravanti Uppaluri Prof. Divya Uma Prof. Jayanti Ray Mukherjee	12 weeks	Link will be Updated Soon	3
17	Biotechnology and Bioe	I Think Biology	Prof. Prachi Gupta	12 Weeks	Link will be Updated Soon	3
18	Biotechnology and Bioe	Classics in Neuroscience	Prof. Varadhan SKM	8 Weeks	Link will be Updated Soon	3
19	Biotechnology and Bioe	Physical And Electrochemical Characterizations In Chemical Engineering	Prof. Tamal Banerjee	8 Weeks	Link will be Updated Soon	2

Computer Science and Engineering						
Sl.No.	Discipline	Course Name	SME Name	Duration	Course Link	Credits
1	Computer Science and I	Artificial Intelligence : Search Methods For Problem Solving	Prof. Deepak Khemani	12 Weeks	https://online.vtu.ac.in/course-details/Artificial-Intelligence	3
2	Computer Science and I	Introduction To Haskell Programming	Prof. S. P Suresh	8 Weeks	https://online.vtu.ac.in/course-details/Introduction-To-Haskell-Programming	2
3	Computer Science and I	C Programming And Assembly Language	Prof. Janakiraman Viraraghavan	4 Weeks	https://online.vtu.ac.in/course-details/C-Programming-And-Assembly-Language	1
4	Computer Science and I	Software Testing (IITKGP)	Prof. Rajib Mall	4 Weeks	https://online.vtu.ac.in/course-details/Software-Testing	1
5	Computer Science and I	Introduction To Industry 4.0 And Industrial Internet Of Things	Prof. Sudip Misra	12 Weeks	https://online.vtu.ac.in/course-details/Introduction-To-Industry-4.0-And-Industrial-Internet-Of-Things	3
6	Computer Science and I	Natural Language Processing	Prof. Pawan Goyal	12 Weeks	https://online.vtu.ac.in/course-details/Natural-Language-Processing	3
7	Computer Science and I	The Joy Of Computing Using Python	Prof. Sudarshan Iyengar	12 Weeks	https://online.vtu.ac.in/course-details/The-Joy-Of-Computing-Using-Python	3
8	Computer Science and I	Modern Algebra	Prof. Manindra Agrawal	8 Weeks	https://online.vtu.ac.in/course-details/Modern-Algebra	2
9	Computer Science and I	Data Base Management System	Prof. Partha Pratim Das Prof. Samiran Chatt	8 Weeks	https://online.vtu.ac.in/course-details/Data-Base-Management-System	2
10	Computer Science and I	Python For Data Science	Prof. Ragunathan Rengasamy	4 Weeks	https://online.vtu.ac.in/course-details/Python-For-Data-Science	1
11	Computer Science and I	Introduction To Machine Learning	Prof. Balaraman Ravindran	12 Weeks	https://online.vtu.ac.in/course-details/Introduction-To-Machine-Learning	3

12	Computer Science and I Data Science For Engineers	Prof. Ragunathan Rengasamy	8 Weeks	https://online.vtu.ac.in/course-details/Data-Sci	2
13	Computer Science and I Programming, Data Structures And Algorithms Using Python	Prof. Shankar Narasimhan	8 Weeks	https://online.vtu.ac.in/course-details/Program	2
14	Computer Science and I Google Cloud Computing Foundations	Prof. Madhavan Mukund	8 Weeks	https://online.vtu.ac.in/course-details/Google-C	2
15	Computer Science and I Cloud Computing	Prof. Soumya Kanti Ghosh	12 Weeks	https://online.vtu.ac.in/course-details/Cloud-C	3
16	Computer Science and I Programming In Java	Prof. Soumya Kanti Ghosh	12 Weeks	https://online.vtu.ac.in/course-details/Program	3
17	Computer Science and I Getting Started With Competitive Programming	Prof. Debasis Samanta	12 Weeks	https://online.vtu.ac.in/course-details/Getting-	3
18	Computer Science and I AI: Constraint Satisfaction	Prof. Neeldhara Misra	12 Weeks	https://online.vtu.ac.in/course-details/Getting-	3
19	Computer Science and I Foundation of Cloud IoT Edge ML	Prof. Deepak Khemani	8 Weeks	Link will be Updated Soon	2
20	Computer Science and I Information Security - 5 - Secure Systems Engineering	Prof. Rajiv Misra	8 Weeks	Link will be Updated Soon	2
		Prof. Chester Robeiro	8 Weeks	Link will be Updated Soon	2

Aerospace Engineering

Sl.No.	Discipline	Course Name	SME Name	Duration	Course Link	Credits
1	Aerospace Engineering	Aircraft Stability And Control	Prof. A.K.Ghosh	12 Weeks	https://online.vtu.ac.in/course-details/Aircraft-	3
2	Aerospace Engineering	Introduction To Airplane Performance	Prof. A K Ghosh	8 Weeks	https://online.vtu.ac.in/course-details/Introduc	2
3	Aerospace engineering	Introduction To Airbreathing Propulsion	Prof. Deepu Philip	12 Weeks	https://online.vtu.ac.in/course-details/Introduc	3
4	Aerospace Engineering	Design Of Fixed Wing Unmanned Aerial Vehicles	Prof. Ashoke De	8 Weeks	https://online.vtu.ac.in/course-details/Design-	2
5	Aerospace Engineering	Introduction To Aerospace Engineering-Flight	Prof. Subrahmanyam Saderla	12 Weeks	https://online.vtu.ac.in/course-details/Introduc	3
6	Aerospace engineering	Introduction To Aircraft Design	Prof. Rajkumar Pant	12 Weeks	https://online.vtu.ac.in/course-details/Introduc	3
7	Aerospace Engineering	Space Flight Mechanics	Prof. Rajkumar Pant	12 Weeks	https://online.vtu.ac.in/course-details/Introduc	3
8	Aerospace Engineering	Vibration And Structural Dynamics	Prof. Manoranjan Sinha	12 Weeks	https://online.vtu.ac.in/course-details/Space-Fl	3
9	Aerospace Engineering	Aerodynamic Design Of Axial Flow Compressors & Fans	Prof. Mira Mitra	8 Weeks	https://online.vtu.ac.in/course-details/Vibratio	2
10	Aerospace Engineering	Gasdynamics: Fundamentals and Applications	Prof. Chetankumar Sureshbhai Mistry	12 Weeks	https://online.vtu.ac.in/course-details/Aerodyr	3
11	Aerospace Engineering	Introduction to Aircraft Control System	Prof. Srisha Rao M V	12 Weeks	Link will be Updated Soon	3
12	Aerospace Engineering	Fundamentals of Supersonic and Hypersonic Flow	Prof. Dipak Kumar Giri	12 Weeks	Link will be Updated Soon	3
			Prof. Arnab Roy	12 Weeks	Link will be Updated Soon	3

Management

Sl.No.	Discipline	Course Name	SME Name	Duration	Course Link	Credits
1	Management	Toyota Production System	Prof. Rajat Agrawal	8 Weeks	https://online.vtu.ac.in/course-details/Toyota-I	2
2	Management	Training Of Trainers	Prof. Santosh Rangnekar	12 Weeks	https://online.vtu.ac.in/course-details/Training	3
3	Management	Business Analytics & Data Mining Modeling Using R Part II	Prof. Gaurav Dixit	4 Weeks	https://online.vtu.ac.in/course-details/Business	1
4	Management	Yoga And Positive Psychology For Managing Career And Life	Prof. Ashish Pandey	8 Weeks	https://online.vtu.ac.in/course-details/Yoga-Ar	2
5	Management	Decision-Making Under Uncertainty	Prof. N. Gautam	4 Weeks	https://online.vtu.ac.in/course-details/Decision	1
6	Management	Design Thinking - A Primer	Prof. Ashwin Mahalingam	8 Weeks	https://online.vtu.ac.in/course-details/Strategy	2
7	Management	Strategy And Technology: A Practical Primer	Prof. Bala Ramadurai	4 Weeks	https://online.vtu.ac.in/course-details/Design-	1
8	Management	Marketing Management - I	Prof. C Bhaktavatsala Rao	12 Weeks	https://online.vtu.ac.in/course-details/Strategy	3
9	Management	Game Theory	Prof. Jayanti Chatterjee	8 Weeks	https://online.vtu.ac.in/course-details/Strategy	2
10	Management	E-Business	Prof. Shashi Shekhar	8 Weeks	https://online.vtu.ac.in/course-details/strategy	2
11	Management	Corporate Finance	Prof.K.S. Mallikarjuna Rao	8 Weeks	https://online.vtu.ac.in/course-details/game-th	2
12	Management	Strategic Management For Competitive Advantage	Prof. Mamata Jenamani	12 Weeks	https://online.vtu.ac.in/course-details/E-Busin	3
13	Management	Econometric Modelling	Prof. Abhijeet Chandra	8 Weeks	https://online.vtu.ac.in/course-details/corporat	2
14	Management	Industrial Safety Engineering	Prof. Sanjib Chowdhury	12 Weeks	https://online.vtu.ac.in/course-details/strategic	3
			Prof. Sujata Kar	8 Weeks	https://online.vtu.ac.in/course-details/econom	2
			Prof. Jhareswar Maiti	12 Weeks	https://online.vtu.ac.in/course-details/industri	3

Mechanical Engineering

Sl.No.	Discipline	Course Name	SME Name	Duration	Course Link	Credits
1	Mechanical Engineering	Fundamentals Of Convective Heat Transfer	Prof. Amaresh Dalal	12 Weeks	https://online.vtu.ac.in/course-details/fundam	3
2	Mechanical Engineering	Aircraft Propulsion	Prof. Vinayak N. Kulkarni	12 Weeks	https://online.vtu.ac.in/course-details/Aircraft-	3
3	Mechanical Engineering	Laser Based Manufacturing	Prof. S. N. Joshi	8 Weeks	https://online.vtu.ac.in/course-details/Laser-Ba	2

4	Mechanical Engineering	Mathematical Modeling Of Manufacturing Processes	Prof. Swarup Bag	12 Weeks	https://online.vtu.ac.in/course-details/mathem	3
5	Mechanical Engineering	Welding Application Technology	Prof. Pankaj Biswas	8 Weeks	https://online.vtu.ac.in/course-details/welding	2
6	Mechanical Engineering	Robotics	Prof. Dk Pratihar	8 Weeks	https://online.vtu.ac.in/course-details/Robotics	2
7	Mechanical Engineering	Product Design And Development	Prof. Inderdeep Singh	4 Weeks	https://online.vtu.ac.in/course-details/product	1
8	Mechanical Engineering	Principles Of Metal Forming Technology	Prof. P. K. Jha	8 Weeks	https://online.vtu.ac.in/course-details/principl	2
9	Mechanical Engineering	Selection Of Nanomaterials For Energy Harvesting And Storage A	Prof. Kaushik Pal	4 Weeks	https://online.vtu.ac.in/course-details/selector	1
10	Mechanical Engineering	Structural Analysis Of Nanomaterials	Prof. Kaushik Pal	4 Weeks	https://online.vtu.ac.in/course-details/structur	1
11	Mechanical Engineering	Introduction To Mechanical Vibration	Prof. Anil Kumar	8 Weeks	https://online.vtu.ac.in/course-details/introduc	2
12	Mechanical Engineering	Fundamentals Of Manufacturing Processes	Prof. D. K. Dwivedi	12 Weeks	https://online.vtu.ac.in/course-details/fundam	3
13	Mechanical Engineering	Design Of Mechatronic Systems	Prof. Prasanna Gandhi	12 Weeks	https://online.vtu.ac.in/course-details/design-c	3
14	Design Engineering	Functional And Conceptual Design	Prof. Asokan T	12 Weeks	https://online.vtu.ac.in/course-details/function	3
15	Mechanical Engineering	Manufacturing Guidelines For Product Design	Prof. Inderdeep Singh	8 Weeks	Link will be Updated Soon	2
16	Mechanical Engineering	Mechatronics	Prof. Pushparaj Mani Pathak	8 Weeks	Link will be Updated Soon	2
17	Mechanical Engineering	Power Plant System Engineering	Prof. Niranjana Sahoo	12 Weeks	Link will be Updated Soon	3
18	Mechanical Engineering	Thermal Engineering: Basic and Applied	Prof. Pranab K. Mondal	12 Weeks	Link will be Updated Soon	3

EL-BM-ML

Sl.No.	Discipline	Course Name	SME Name	Duration	Course Link	Credits
			Prof Sushobhan Avasti			
1	Electrical, Electronics an	Fundamentals Of Micro And Nanofabrication	Prof. Shankar Selvaraja	12 Weeks	https://online.vtu.ac.in/course-details/Fundam	3
2	Computer Science and I	Getting Started With Competitive Programming	Prof. Neeldhara Misra	12 Weeks	https://online.vtu.ac.in/course-details/Getting-	3
3	Computer Science and I	Social Network Analysis	Prof. Tanmoy Chakraborty	12 Weeks	https://online.vtu.ac.in/course-details/social-ne	3
4	Computer Science and I	Design & Implementation Of Human-Computer Interfaces	Prof. Samit Bhattacharya	12 Weeks	https://online.vtu.ac.in/course-details/Design-I	3
5	Computer Science and I	Ethical Hacking	Prof. Indranil Sengupta	12 Weeks	https://online.vtu.ac.in/course-details/Ethical-I	3
6	Computer Science and I	Programming In Modern C++	Prof. Partha Pratim Das	12 Weeks	https://online.vtu.ac.in/course-details/program	3
7	Computer Science and I	Data Structure And Algorithms Using Java	Prof. Debasis Samanta	12 Weeks	https://online.vtu.ac.in/course-details/data-stru	3
8	Computer Science and I	Introduction To Algorithms And Analysis	Prof. Sourav Mukhopadhyay	12 Weeks	https://online.vtu.ac.in/course-details/Introduc	3
9	Computer Science and I	Google Cloud Computing Foundations	Prof. Soumya Kanti Ghosh	8 Weeks	https://online.vtu.ac.in/course-details/Google-t	2
10	Computer Science and I	Artificial Intelligence : Search Methods For Problem Solving	Prof. Deepak Khemani	12 Weeks	https://online.vtu.ac.in/course-details/Artificia	3
11	Computer Science and I	Python For Data Science	Prof. Raganathan Rengasamy	4 Weeks	https://online.vtu.ac.in/course-details/Python-t	1
12	Electrical and Electronic	Discrete Time Signal Processing	Prof. Mrityunjoy Chakraborty	8 Weeks	https://online.vtu.ac.in/course-details/Discrete	2
13	Electrical and Electronic	Fiber Optic Communication Technology	Prof. Deepa Venkitesh	12 Weeks	https://online.vtu.ac.in/course-details/Fiber-Or	3
14	Electrical and Electronic	Applied Optimization For Wireless, Machine Learning, Big Data	Prof. Aditya K. Jagannatham	12 Weeks	https://online.vtu.ac.in/course-details/Applied	3
15	Electrical and Electronic	Design and Analysis of VLSI Subsystems	Prof. Madhav Rao	12 Weeks	Link will be Updated Soon	3
16	Management	Innovation in Marketing and Marketing of Innovation	Prof. Vinay Sharma	12 Weeks	Link will be Updated Soon	3

Chemical Engineering

Sl.No.	Discipline	Course Name	SME Name	Duration	Course Link	Credits
1	Chemical Engineering	Colloids And Surfaces	Prof. Basavaraj Madivala Gurappa	8 Weeks	https://online.vtu.ac.in/course-details/Colloids	2
2	Chemical Engineering	Chemical Process Intensification	Prof. Subrata Kumar Majumder	12 Weeks	https://online.vtu.ac.in/course-details/Chemic	3
3	Chemical Engineering	Transport Phenomena Of Non-Newtonian Fluids	Prof. Nanda Kishore	12 Weeks	https://online.vtu.ac.in/course-details/Transpo	3
4	Chemical Engineering	Natural Gas Engineering	Prof. Pankaj Tiwari	8 Weeks	https://online.vtu.ac.in/course-details/Natural-	2
5	Chemical Engineering	Aspen Plus@ Simulation Software - A Basic Course For Beginners	Prof. Prabirkumar Saha	12 Weeks	https://online.vtu.ac.in/course-details/Aspen-P	3
6	Chemical Engineering	Chemical Process Control	Prof. Sujit Jogwar	8 Weeks	https://online.vtu.ac.in/course-details/chemica	2
7	Chemical Engineering	Trace And Ultra-Trace Analysis Of Metals Using Atomic Absorptio	Prof. J R Mudakavi	8 Weeks	https://online.vtu.ac.in/course-details/trace-an	2
8	Chemical Engineering	Mechanical Operations	Prof. Shabina Khanam	4 Weeks	https://online.vtu.ac.in/course-details/mechani	1
9	Chemical Engineering	Equipment Design: Mechanical Aspects	Prof. Shabina Khanam	4 Weeks	https://online.vtu.ac.in/course-details/equipme	1
10	Chemical Engineering	Chemical Process Safety	Prof. Shishir Sinha	12 weeks	https://online.vtu.ac.in/course-details/chemica	3
11	Chemical Engineering	Basic Environmental Engineering And Pollution Abatement	Prof. P. Mondal	12 weeks	https://online.vtu.ac.in/course-details/basic-en	3

12	Chemical Engineering	Technologies For Clean And Renewable Energy Production	Prof. P. Mondal	8 Weeks	https://online.vtu.ac.in/course-details/technolo	2
13	Chemical Engineering	Hydrogen Energy: Production, Storage, Transportation And Safety	Prof. Pratibha Sharma	12 Weeks	https://online.vtu.ac.in/course-details/hydroge	3
14	Chemical Engineering	Applied Statistical Thermodynamics	Prof. Tamal Banerjee	12 Weeks	Link will be Updated Soon	3
15	Chemical Engineering	Unit operations of particulate matter	Prof. Shabina Khanam	4 Weeks	Link will be Updated Soon	1

General

Sl.No.	Discipline	Course Name	SME Name	Duration	Course Link	Credits
1	Economics	Economics Of Banking And Finance Markets Introduction To Research	Prof. Sukumar Vellakkal Prof. Edamana Prasad	12 Weeks	https://online.vtu.ac.in/course-details/economi	3
2	Multidisciplinary	New title: Research Methodology	Prof. Prathap Haridoss	8 Weeks	https://online.vtu.ac.in/course-details/Introduc	2
3	Multidisciplinary	Solar Energy Engineering And Technology	Prof. Pankaj Kalita	12 Weeks	https://online.vtu.ac.in/course-details/solar-en	3
4	Humanities and Social S	Technical English For Engineers	Prof. Aysa Iqbal	8 Weeks	https://online.vtu.ac.in/course-details/technica	2
5	Humanities and Social S	Body Language: Key To Professional Success	Prof. Rashmi Gaur	4 Weeks	https://online.vtu.ac.in/course-details/Body-La	1
6	Humanities and Social S	Patent Law For Engineers And Scientists	Prof. Feroz Ali	12 Weeks	https://online.vtu.ac.in/course-details/Patent-L	3
7	Humanities and Social S	German - I	Prof. Milind Brahme	12 Weeks	https://online.vtu.ac.in/course-details/German	3
8	Humanities and Social S	The Science of Happiness and Wellbeing	Prof. Priyadarshi Patnaik Prof. Manas K Mandal	8 Weeks	https://online.vtu.ac.in/course-details/The-Scie	2
9	Mathematics	Calculus For Economics,Commerce And Management	Prof. I.K.Rana	8 Weeks	https://online.vtu.ac.in/course-details/Calculus	2
10	Mathematics	Advanced Engineering Mathematics	Prof. P.N. Agarwal	12 Weeks	https://online.vtu.ac.in/course-details/advance	3
11	Management	Entrepreneurship	Prof. C Bhaktavatsala Rao	12 Weeks	https://online.vtu.ac.in/course-details/Entrepre	3
12	Management	E-Business	Prof. Mamata Jenamani	12 Weeks	https://online.vtu.ac.in/course-details/E-Busin	3
13	Electrical and Electronic An	Introduction To Coding Theory	Prof. Adrish Banerjee	8 Weeks	https://online.vtu.ac.in/course-details/an-intro	2
14	Electrical and Electronic Smart Grid: Basics To Advanced Technologies		Prof. N.P. Padhy Prof. Premalata Jena	12 Weeks	https://online.vtu.ac.in/course-details/Smart-G	3
15	Computer Science and I	Cloud Computing	Prof. Soumya Kanti Ghosh	12 Weeks	https://online.vtu.ac.in/course-details/Cloud-C	3
16	Computer Science and I	Introduction To Machine Learning - IITKGP	Prof. Sudeshna Sarkar	8 Weeks	https://online.vtu.ac.in/course-details/Introduc	2
17	Computer Science and I	Programming In Java	Prof. Debasis Samanta	12 Weeks	https://online.vtu.ac.in/course-details/Program	3
18	Physics	Introduction To Astrophysical Fluids	Prof. Supratik Banerjee	12 Weeks	https://online.vtu.ac.in/course-details/Introduc	3
19	Physics	Advanced Quantum Mechanics With Applications	Prof. Saurabh Basu	8 Weeks	https://online.vtu.ac.in/course-details/Advanc	2
20	Mechanical Engineering	Applied Thermodynamics For Engineers	Prof.Dipankar N. Basu	12 Weeks	https://online.vtu.ac.in/course-details/Applied	3

Electronics and Communication Engineering

Sl.No.	Discipline	Course Name	SME Name	Duration	Course Link	Credits
1	Computer Science & En	Artificial Intelligence : Search methods for problem solving	Prof.DcProf. Deepak Khemani	12 Weeks	https://online.vtu.ac.in/course-details/Artificia	3
2	Design Engineering	Understanding Incubation and Enterprenurship	Prof. B K Chakrav	12 Weeks	https://online.vtu.ac.in/course-details/Underst	3
3	Multidisciplinary	Learning Anlystics Tools	Prof. Rajkumar Rajendram	12 Weeks	https://online.vtu.ac.in/course-details/Learning	3
4	Mathematics	Operations Research	Prof. Kusumdeep	8 Weeks	https://online.vtu.ac.in/course-details/Operatic	2
5	Management	Intellactual Property Rigths and Competition Law	Prof. K. D. Raju	8 Weeks	https://online.vtu.ac.in/course-details/Intellect	2
6	Computer Science & En	Big Data Computing		8 Weeks	https://online.vtu.ac.in/course-details/BIG-DA	2
7	Electrical and Electronic Modern Digital Communication Techniques		PROF. SUVRA SEKHAR DAS	12 Weeks	https://online.vtu.ac.in/course-details/Modern	3
8	Electrical and Electronic Advanced Linear Continuous Control Systems: Applications With		PROF. YOGESH VIJAY HOTE	8 Weeks	https://online.vtu.ac.in/course-details/Advanc	2
9	Electrical and Electronic Fundamentals of semiconductor devices			12 Weeks	Link will be Updated Soon	3
10	Electrical and Electronic Embedded Sensing, Actuation and Interfacing Systems		Prof. Banibrata Mukherjee	12 Weeks	Link will be Updated Soon	3
11	Electrical and Electronic Optical Wireless Communications for Beyond 5G Networks and IoT			12 Weeks	Link will be Updated Soon	3
12	Electrical and Electronic Digital Protection of Power System			8 Weeks	Link will be Updated Soon	2

Electrical and Electronics Engineering

Sl.No.	Discipline	Course Name	SME Name	Duration	Course Link	Credits
1	Electrical and Electronic Design of Photovoltaic Systems		Design of Photovoltaic Systems, Prof. L Um.	12 weeks	https://online.vtu.ac.in/course-details/design-c	3

2	Electrical and Electronic Smart Grid: Basics To Advanced Technologies	Smart Grid: Basics To Advanced Technologies Prof. Premalata Jena	12 weeks	https://online.vtu.ac.in/course-details/Smart-G	3
3	Electrical and Electronic Advances In Uhv Transmission And Distribution	Advances In Uhv Transmission And Distrib	8 Weeks	https://online.vtu.ac.in/course-details/advance	2
4	Electrical and Electronic Enclosure Design Of Electronics Equipment	Enclosure Design Of Electronics Equipment	12 Weeks	https://online.vtu.ac.in/course-details/enclosur	3
5	Electrical and Electronic Microelectronics: Devices To Circuits	Microelectronics: Devices To Circuits, Prof. S	12 Weeks	https://online.vtu.ac.in/course-details/Microelec	3
6	Electrical and Electronic Advanced Linear Continuous Control Systems: Applications With	Advanced Linear Continuous Control Syste	8 Weeks	https://online.vtu.ac.in/course-details/Advanc	2
7	Electrical and Electronic Dc Microgrid And Control Systems	Dc Microgrid And Control Systems, Prof. A	8 Weeks	https://online.vtu.ac.in/course-details/dc-micr	2
8	Electrical and Electronic Electrical Distribution System Analysis	Electrical Distribution System Analysis, Pro	8 Weeks	https://online.vtu.ac.in/course-details/electrica	2
9	Electrical and Electronic Digital Control in Switched Mode Power Converters and FPGA-ba	Digital Control in Switched Mode Power Cc	12 Weeks	https://online.vtu.ac.in/course-details/digital-c	3
10	Electrical and Electronic VLSI Interconnects	VLSI Interconnects, Prof. Sarang Pendharke	8 Weeks	https://online.vtu.ac.in/course-details/vlsi-inte	2
11	Electrical and Electronic System Design Through Verilog	System Design Through Verilog, Prof. Shaik	8 Weeks	https://online.vtu.ac.in/course-details/system-c	2
12	Electrical and Electronic Applied Electromagnetics For Engineers	Applied Electromagnetics For Engineers, Pr	12 Weeks	https://online.vtu.ac.in/course-details/Applied	3
13	Electrical and Electronic Fundamentals of semiconductor devices	Fundamentals of semiconductor devices, Pr	12 Weeks	Link will be Updated Soon	3
14	Electrical and Electronic A brief introduction of Micro - Sensors	A brief introduction of Micro - Sensors, Prof	4 Weeks	Link will be Updated Soon	1
15	Electrical and Electronic Electric Vehicles - Part 1	Electric Vehicles - Part 1, Prof. Amit Jain	8 Weeks	Link will be Updated Soon	2
16	Electrical and Electronic Industrial Automation And Control	Industrial Automation And Control, Prof. A	12 Weeks	Link will be Updated Soon	3
17	Electrical and Electronic Signal Processing Techniques and its Applications	Signal Processing Techniques and its Applic	12 Weeks	Link will be Updated Soon	3

Automobile Engineering

Sl.No.	Discipline	Course Name	SME Name	Duration	Course Link	Credits
1	Mechanical Engineering	Computational Continuum Mechanics	Prof. Sachin Singh Gautam	12 Weeks	https://online.vtu.ac.in/course-details/comput	3
2	Mechanical Engineering	Mechanism And Robot Kinematics	Prof. Anirvan Dasgupta	8 Weeks	https://online.vtu.ac.in/course-details/Mechani	2
3	Mechanical Engineering	Heat Exchangers: Fundamentals And Design Analysis	Prof. Prasanta Kr Das & Prof. Indranil Ghos	12 Weeks	https://online.vtu.ac.in/course-details/heat-exc	3
4	Mechanical Engineering	Power Plant Engineering	Prof. Ravi Kumar	8 Weeks	https://online.vtu.ac.in/course-details/Power-P	2
5	Mechanical Engineering	Fluid Dynamics And Turbomachines	Prof. Dhiman Chatterjee Prof. Shamit Bakshi Prof. J. Ramkumar	8 Weeks	https://online.vtu.ac.in/course-details/Fluid-Dy	2
6	Mechanical Engineering	Rapid Manufacturing	Prof. Amandeep Singh	12 Weeks	https://online.vtu.ac.in/course-details/rapid-m	3
7	Mechanical Engineering	Conduction And Convection: Fundamentals And Applications	Prof. Gautam Biswas / Prof. Sameer Khand	12 Weeks	https://online.vtu.ac.in/course-details/Conduct	3
8	Management	Toyota Production System	Prof. Rajat Agrawal	8 Weeks	https://online.vtu.ac.in/course-details/Toyota-I	2
9	Management	Manufacturing Strategy	Prof. Rajat Agrawal	8 Weeks	https://online.vtu.ac.in/course-details/manufac	2
10	Management	Product And Brand Management	Prof. Vinay Sharma	12 weeks	https://online.vtu.ac.in/course-details/product-	3
11	Management	Econometric Modelling	Prof. Sujata Kar	8 Weeks	https://online.vtu.ac.in/course-details/econom	2
12	Management	Services Marketing : Integrating People, Technology, Strategy	Prof. Zillur Rahman Prof. Rajat Agrawal Prof. Vinay Sharma	8 Weeks	https://online.vtu.ac.in/course-details/services-	2
13	Management	Innovation, Business Models And Entrepreneurship	Prof. Vinay Sharma	8 Weeks	https://online.vtu.ac.in/course-details/innovati	2
14	Management	Operations And Supply Chain Management	Prof. G. Srinivasan	12 Weeks	https://online.vtu.ac.in/course-details/operatio	3
15	Management	Design Thinking - A Primer	Prof. Ashwin Mahalingam Prof. Bala Ramadurai	4 Weeks	https://online.vtu.ac.in/course-details/Design-	1

Civil Engineering

Sl.No.	Discipline	Course Name	SME Name	Duration	Course Link	Credits
1	Civil Engineering	Finite Element Method And Computational Structural Dynamics	Prof. Manish Shrikhande	12 Weeks	https://online.vtu.ac.in/course-details/Finite-El	3
2	Civil Engineering	Mechanics Of Materials	Prof. Saravanan.U	12 Weeks	https://online.vtu.ac.in/course-details/Mechani	3
3	Civil Engineering	Project Planning & Control	Prof. Koshy Varghese	8 Weeks	https://online.vtu.ac.in/course-details/project-p	2
4	Civil Engineering	Principles Of Construction Management	Prof. Sudhir Misra	8 Weeks	https://online.vtu.ac.in/course-details/principi	2
5	Civil Engineering	Municipal Solid Waste Management	Prof. Ajay Kalamdhad	12 Weeks	https://online.vtu.ac.in/course-details/municip	3
6	Civil Engineering	Introduction to Multimodal Urban Transportation Systems (MUTS)	Prof. Arkopal Kishore Goswami	12 Weeks	https://online.vtu.ac.in/course-details/introduc	3
7	Civil Engineering	Bridge Engineering	Prof. Piyali Sengupta	12 Weeks	https://online.vtu.ac.in/course-details/bridge-e	3
8	Civil Engineering	Wastewater Treatment And Recycling	Prof. Manoj Kumar Tiwari	12 Weeks	https://online.vtu.ac.in/course-details/wastew	3

9	Civil Engineering	Matrix Method Of Structural Analysis	Prof. Amit Shaw	8 Weeks	https://online.vtu.ac.in/course-details/matrix-n	2
10	Civil Engineering	Integrated Waste Management For A Smart City	Prof. Biswanath Banerjee	12 Weeks	https://online.vtu.ac.in/course-details/integrat	3
11	Civil Engineering	Sustainable Engineering Concepts And Life Cycle Analysis	Prof. Brajesh Kumar Dubey	8 Weeks	https://online.vtu.ac.in/course-details/Sustaina	2
12	Civil Engineering	Sustainable Transportation Systems	Prof. Bhola Ram Gurjar	12 Weeks	https://online.vtu.ac.in/course-details/sustaina	3
13	Civil Engineering	Advanced Foundation Engineering	Prof. Kousik Deb	12 Weeks	Link will be Updated Soon	3
14	Civil Engineering	Microwave Remote Sensing in Hydrology	Prof. J. Indu	12 Weeks	Link will be Updated Soon	3
15	Civil Engineering	Plastic Waste Management	Prof. Brajesh Kumar Dubey	8 Weeks	Link will be Updated Soon	2
16	Civil Engineering	Remote Sensing Essentials	Prof. Arun K. Saraf	12 Weeks	Link will be Updated Soon	3
17	Civil Engineering	Modern Construction Materials	Prof. Ravindra Gettu	12 Weeks	Link will be Updated Soon	3
18	Civil Engineering	Energy Efficiency, Acoustics and Daylighting in Building	Prof. B. Bhattacharjee	12 Weeks	Link will be Updated Soon	3